

U.S. Patent and Trademark Office
 2011 South Clark Place
Customer Window, Mail Stop Patent Application
 Crystal Plaza Two, Lobby, Room 1B03
 Arlington, VA 22202

UTILITY PATENT APPLICATION TRANSMITTAL

Transmitted herewith for filing is a U.S. Non-Provisional Utility Patent Application entitled:

APPARATUS AND METHOD FOR CREATING A VORTEX FLOW

naming as inventors: Gregory A. Dougherty, Sr., Bradley J. Fehn and Thomas B. Smith,
 and including:

- ☒ (15) pages of description (before the claims)
- ☒ (5) pages of claims ((34) total claims; (7) independent claims)
- ☒ One (1) Sheet of Abstract
- ☒ (10) sheets of drawing(s) including Figures 1A-7.

1. Also enclosed are:

- ☒ Executed Declaration
- ☒ Executed Assignment, Cover Sheet and check for \$40.00
- ☒ Information Disclosure Statement and PTO/SB/08A
- ☒ Assertion of Entitlement to Small Entity Status
- ☒ Filing Fee Check in the amount of \$683.00
- ☒ (2) Return Receipt Postcards

2. Fees have been calculated as follows:

	NO. OF CLAIMS		EXTRA CLAIMS	RATE	FEE
Basic Application Fee					385.00
Total Claims	34	- 20 =	14	x \$9.00	126.00
Independent Claims	7	- 3 =	4	x \$43.00	172.00
Total Application Fee					683.00
Assignment Recordation Fee					40.00
TOTAL FEES DUE					723.00

- [x] A check in the amount of **\$683.00** for the Filing Fee, and a check in the amount of **\$40.00** for the Assignment Recordation Fee are attached.
- [x] The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 50-1283.
3. Please direct all correspondence concerning this application to:

COOLEY GODWARD LLP

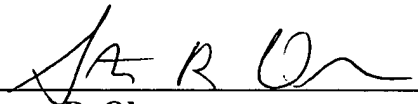
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Dated: 12/5/03

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Respectfully submitted,
COOLEY GODWARD LLP

By:


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